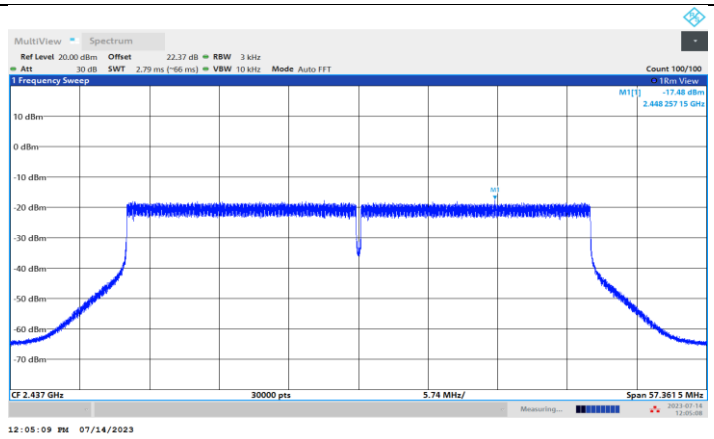
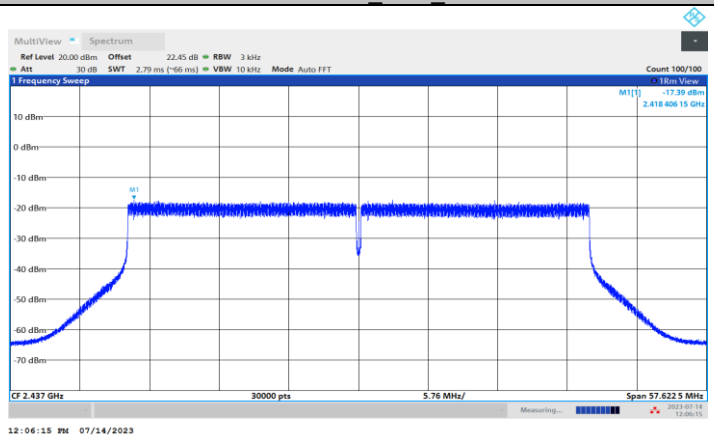
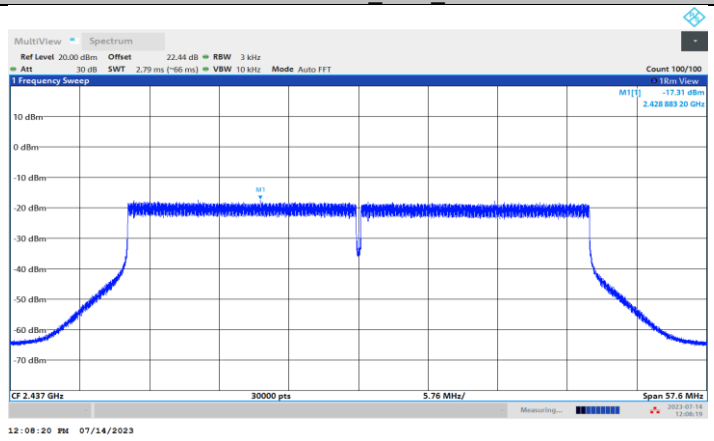


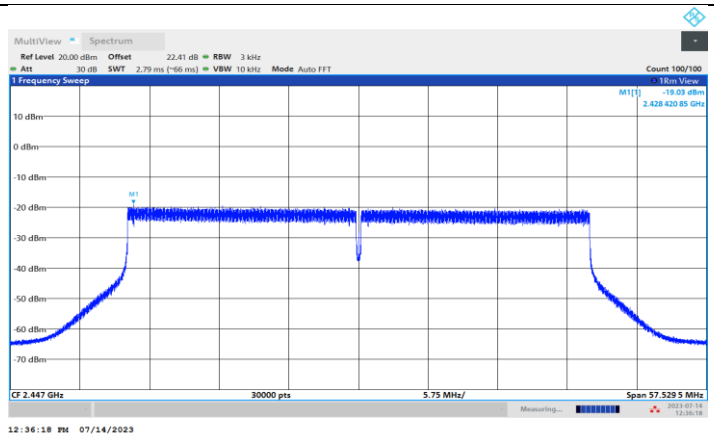

11BE40MIMO_Ant2_2437



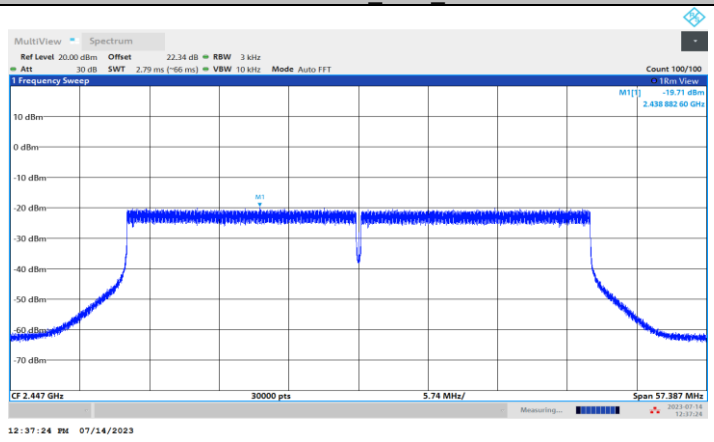

11BE40MIMO_Ant3_2437



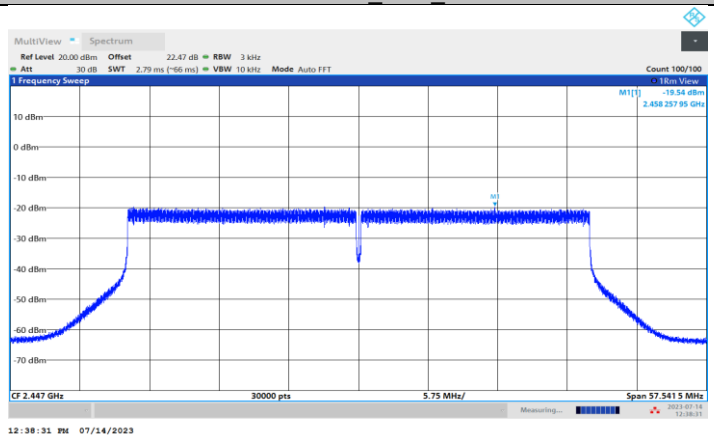

11BE40MIMO_Ant4_2437



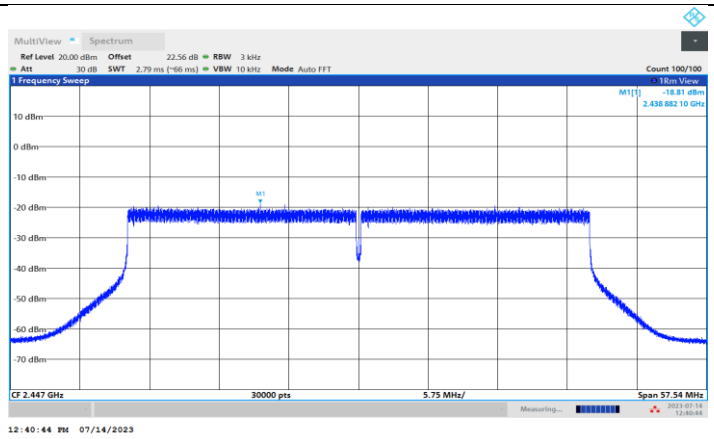

11BE40MIMO_Ant1_2447



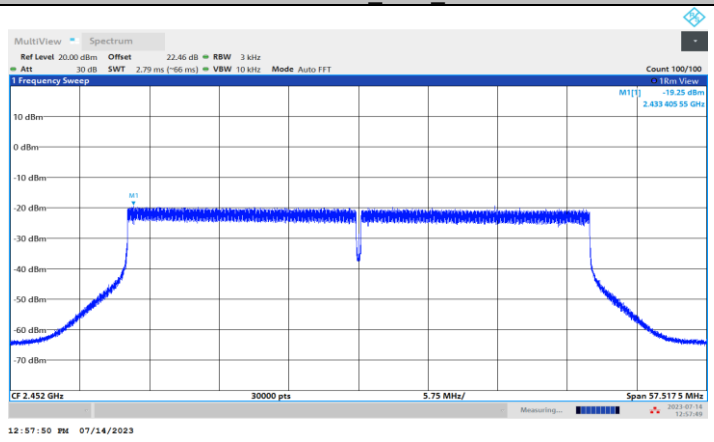

11BE40MIMO_Ant2_2447



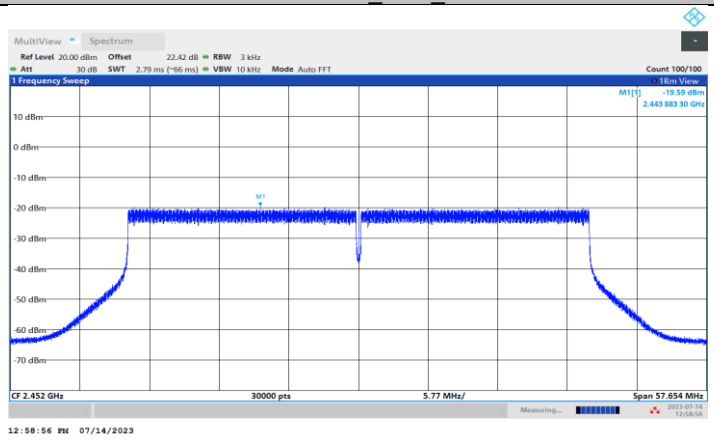

11BE40MIMO_Ant3_2447



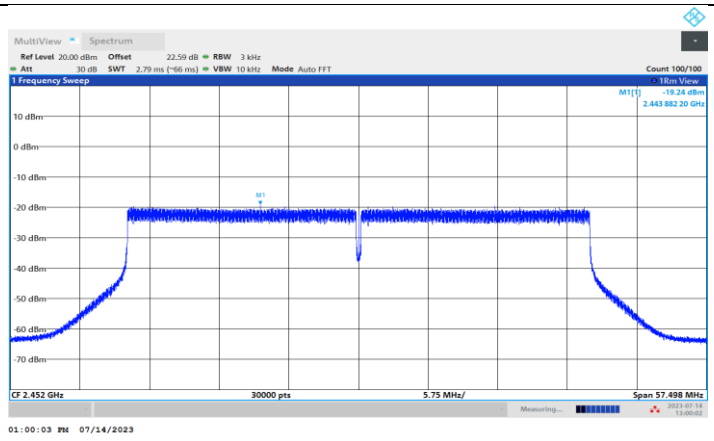

11BE40MIMO_Ant4_2447



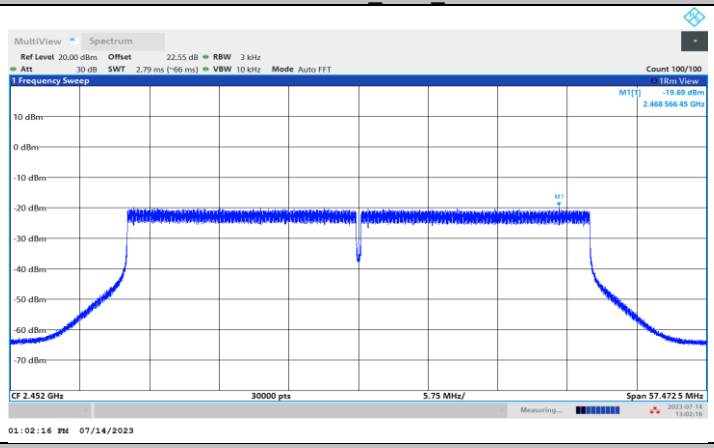

11BE40MIMO_Ant1_2452




11BE40MIMO_Ant2_2452




11BE40MIMO_Ant3_2452



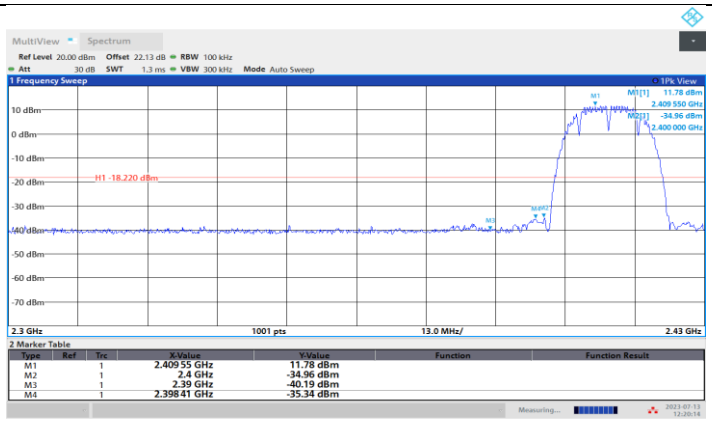

11BE40MIMO_Ant4_2452

## 11.5. APPENDIX E: BAND EDGE MEASUREMENTS

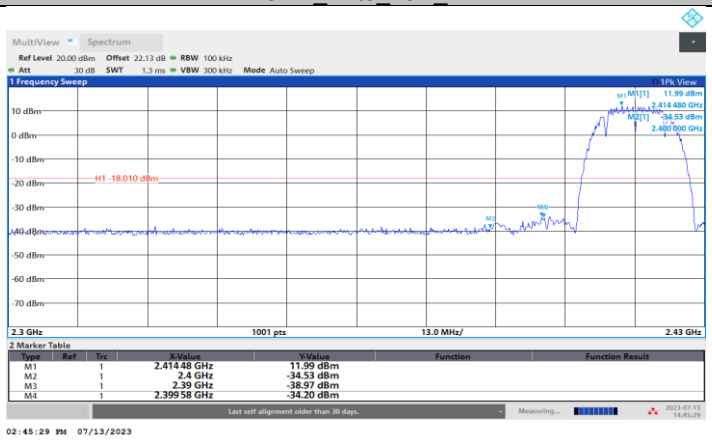
### 11.5.1. Test Result

| Test Mode | Antenna | ChName | Frequency[MHz] | RefLevel[dBm] | Result[dBm] | Limit[dBm] | Verdict |
|---|---|---|---|---|---|---|---|
| 11B-CDD | Ant3 | Low | 2412 | 11.78 | -35.34 | ≤-18.22 | PASS |
| | | | 2417 | 11.99 | -34.2 | ≤-18.01 | PASS |
| | | High | 2457 | 13.13 | -37.61 | ≤-16.87 | PASS |
| | | | 2462 | 12.11 | -37.28 | ≤-17.89 | PASS |
| 11G-CDD | Ant3 | Low | 2412 | 9.09 | -23.01 | ≤-20.91 | PASS |
| | | | 2417 | 11.26 | -37.81 | ≤-18.74 | PASS |
| | | High | 2457 | 11.06 | -38.18 | ≤-18.94 | PASS |
| | | | 2462 | 9.24 | -37.24 | ≤-20.76 | PASS |
| 11BE20MIMO | Ant3 | Low | 2412 | 9.22 | -22.94 | ≤-20.78 | PASS |
| | | | 2417 | 11.28 | -37.33 | ≤-18.72 | PASS |
| | | High | 2457 | 10.12 | -37.86 | ≤-19.88 | PASS |
| | | | 2462 | 8.22 | -38.05 | ≤-21.78 | PASS |
| 11BE40MIMO | Ant3 | Low | 2422 | 5.08 | -25.03 | ≤-24.92 | PASS |
| | | | 2427 | 7.35 | -32.25 | ≤-22.65 | PASS |
| | | High | 2447 | 4.27 | -36.28 | ≤-25.73 | PASS |
| | | | 2452 | 4.18 | -36.35 | ≤-25.82 | PASS |

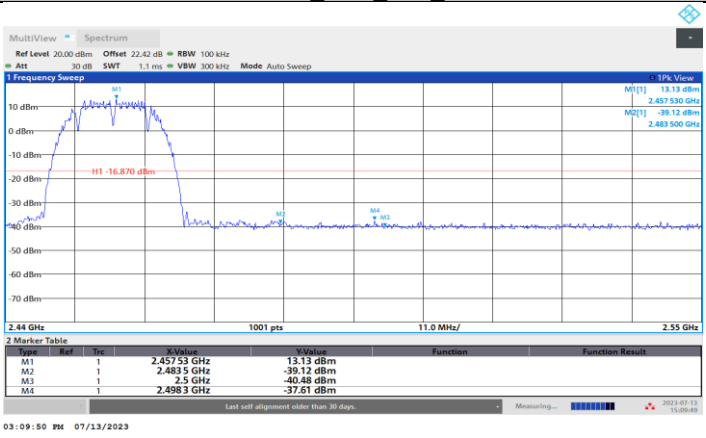
## 11.5.2. Test Graphs



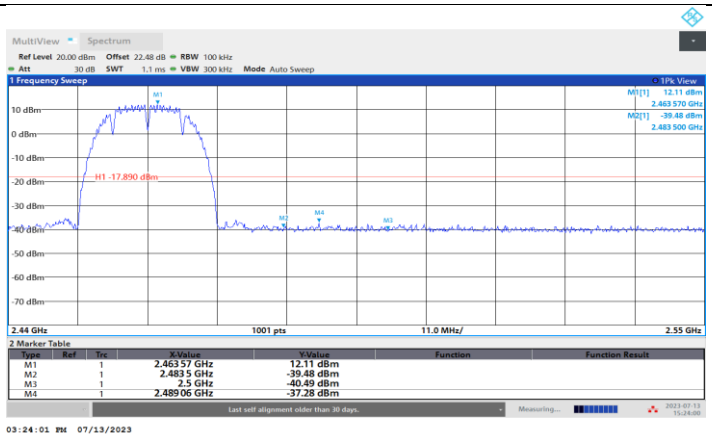

11B-CDD_Ant3_Low_2412



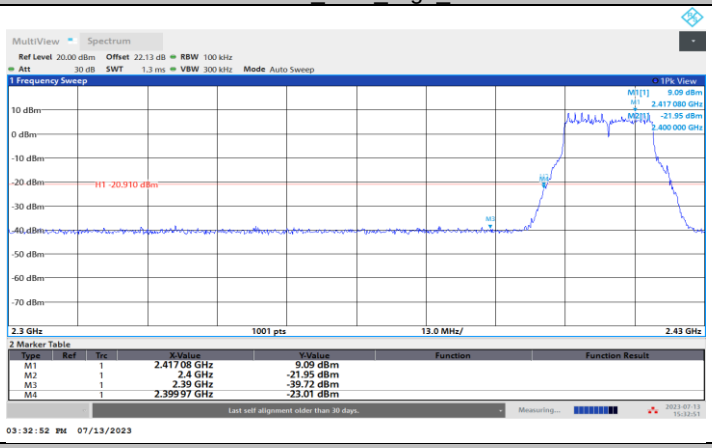

11B-CDD_Ant3_Low_2417



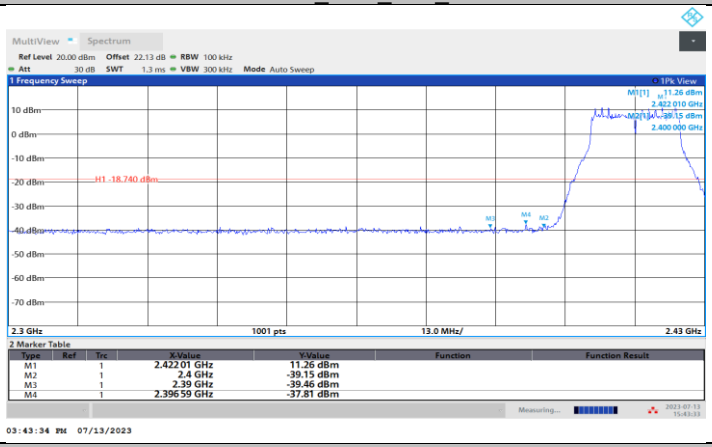

11B-CDD_Ant3_High_2457



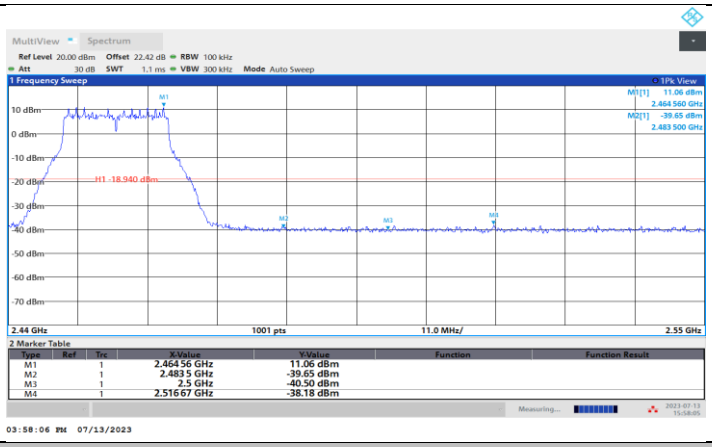

11B-CDD_Ant3_High_2462



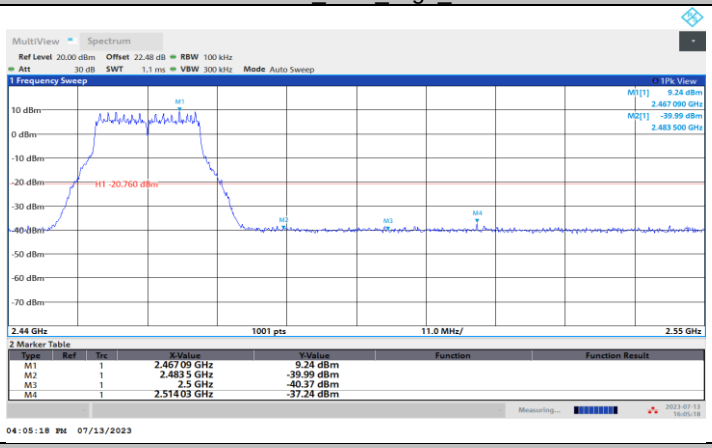

11G-CDD_Ant3_Low_2412



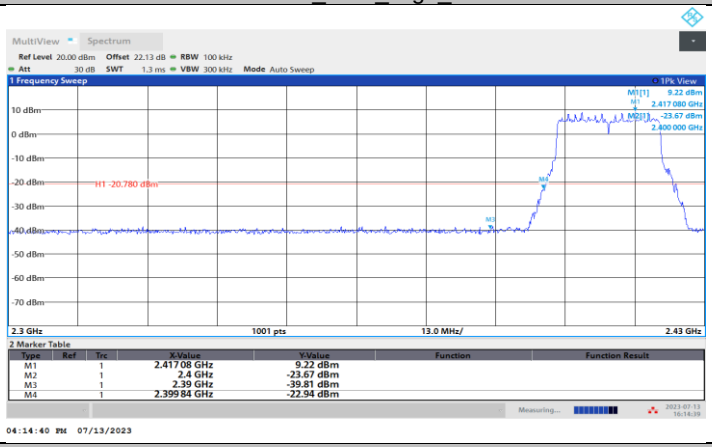

11G-CDD_Ant3_Low_2417



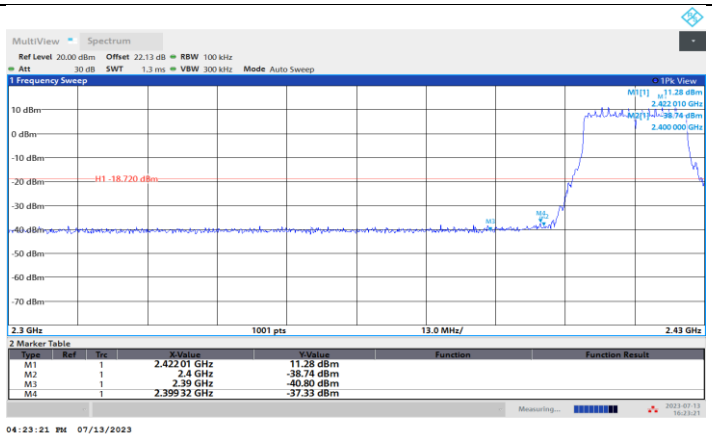

11G-CDD_Ant3_High_2457



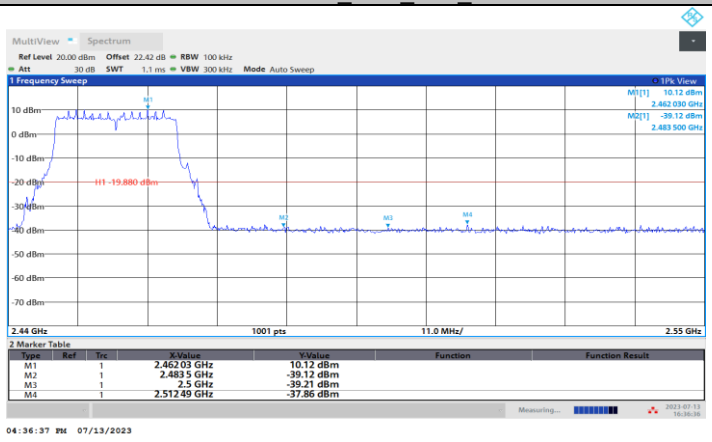

11G-CDD_Ant3_High_2462



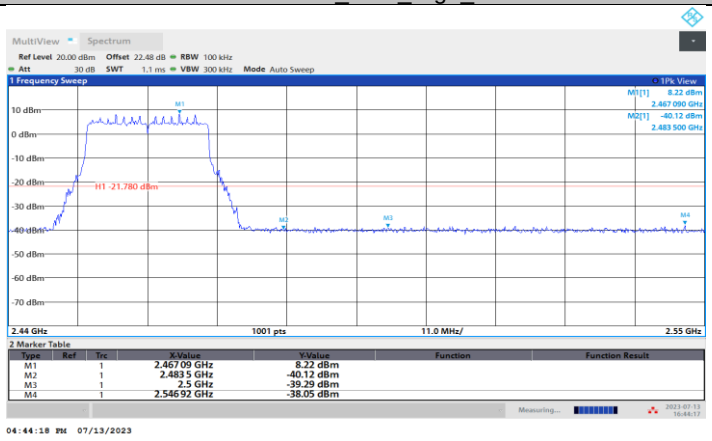

11BE20MIMO_Ant3_Low_2412



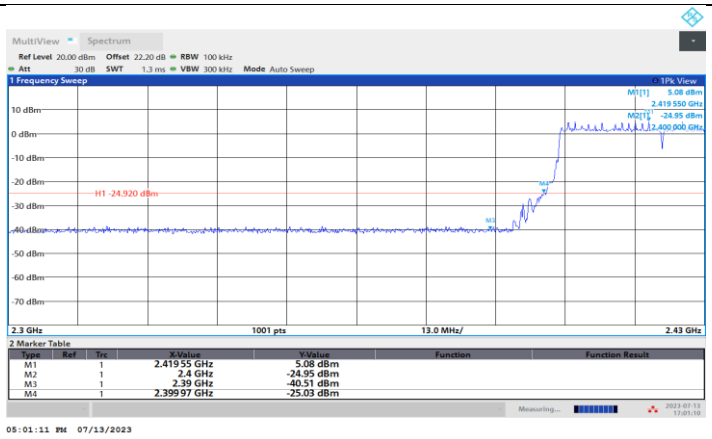

11BE20MIMO_Ant3_Low_2417




11BE20MIMO_Ant3_High_2457

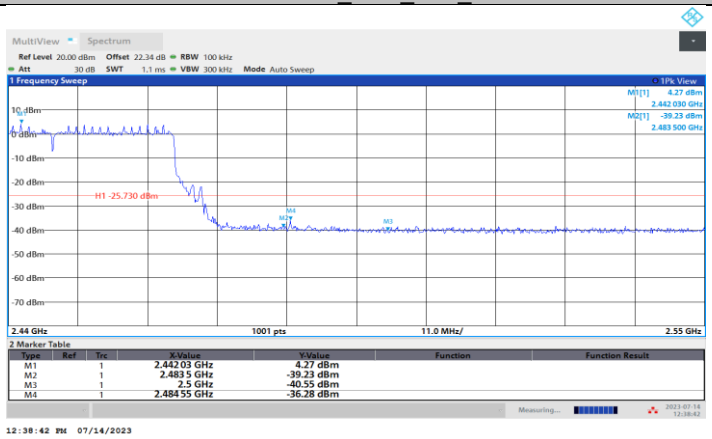



11BE20MIMO_Ant3_High_2462

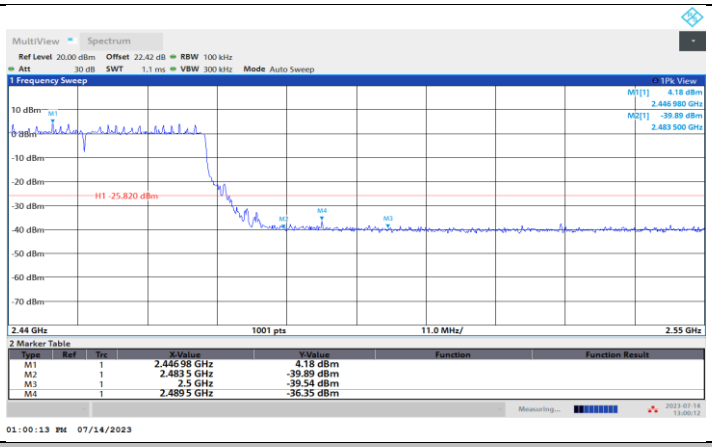



11BE40MIMO_Ant3_Low_2422


11BE40MIMO_Ant3_Low_2427




11BE40MIMO_Ant3_High_2447




11BE40MIMO_Ant3_High_2452

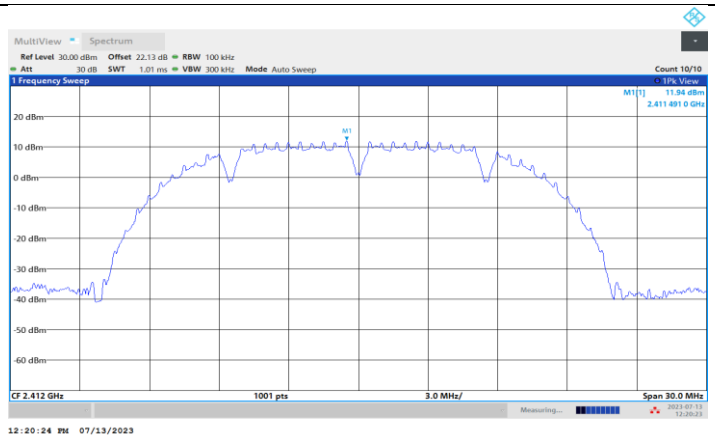
## 11.6. APPENDIX F: CONDUCTED SPURIOUS EMISSION

### 11.6.1. Test Result

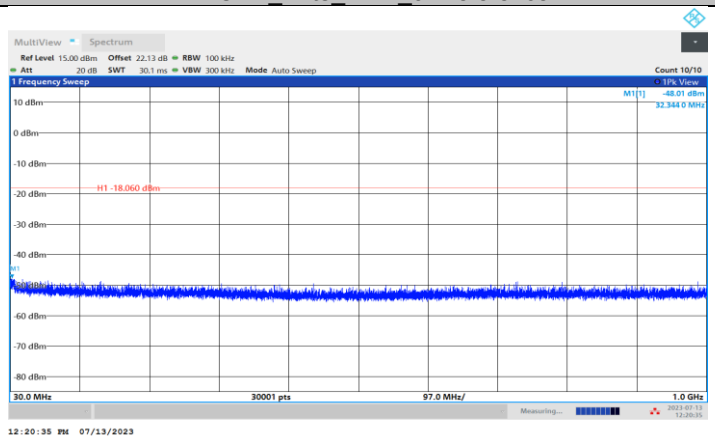
| Test Mode | Antenna | Frequency[MHz] | FreqRange [Mhz] | Result [dBm] | Limit [dBm] | Verdict |
|---|---|---|---|---|---|---|
| 11B-CDD | Ant3 | 2412 | Reference | 11.94 | --- | PASS |
| | | | 30~1000 | -48.01 | ≤-18.06 | PASS |
| | | | 1000~26500 | -41.22 | ≤-18.06 | PASS |
| | | 2417 | Reference | 11.98 | --- | PASS |
| | | | 30~1000 | -47.12 | ≤-18.02 | PASS |
| | | | 1000~26500 | -40.91 | ≤-18.02 | PASS |
| | | 2437 | Reference | 12.19 | --- | PASS |
| | | | 30~1000 | -47.52 | ≤-17.81 | PASS |
| | | | 1000~26500 | -41.3 | ≤-17.81 | PASS |
| | | 2457 | Reference | 13.53 | --- | PASS |
| | | | 30~1000 | -46.01 | ≤-16.47 | PASS |
| | | | 1000~26500 | -40.92 | ≤-16.47 | PASS |
| | | 2462 | Reference | 12.40 | --- | PASS |
| | | | 30~1000 | -46.17 | ≤-17.6 | PASS |
| | | | 1000~26500 | -40.88 | ≤-17.6 | PASS |
| 11G-CDD | Ant3 | 2412 | Reference | 9.31 | --- | PASS |
| | | | 30~1000 | -47.62 | ≤-20.69 | PASS |
| | | | 1000~26500 | -40.13 | ≤-20.69 | PASS |
| | | 2417 | Reference | 11.15 | --- | PASS |
| | | | 30~1000 | -47.79 | ≤-18.85 | PASS |
| | | | 1000~26500 | -40.96 | ≤-18.85 | PASS |
| | | 2437 | Reference | 12.32 | --- | PASS |
| | | | 30~1000 | -47.52 | ≤-17.68 | PASS |
| | | | 1000~26500 | -41.12 | ≤-17.68 | PASS |
| | | 2457 | Reference | 11.11 | --- | PASS |
| | | | 30~1000 | -46.71 | ≤-18.89 | PASS |
| | | | 1000~26500 | -40.49 | ≤-18.89 | PASS |
| | | 2462 | Reference | 9.34 | --- | PASS |
| | | | 30~1000 | -46.99 | ≤-20.66 | PASS |
| | | | 1000~26500 | -41.04 | ≤-20.66 | PASS |
| 11BE20MIMO | Ant3 | 2412 | Reference | 9.23 | --- | PASS |
| | | | 30~1000 | -47.23 | ≤-20.77 | PASS |
| | | | 1000~26500 | -40.58 | ≤-20.77 | PASS |
| | | 2417 | Reference | 11.22 | --- | PASS |
| | | | 30~1000 | -48.06 | ≤-18.78 | PASS |
| | | | 1000~26500 | -41.05 | ≤-18.78 | PASS |
| | | 2437 | Reference | 11.37 | --- | PASS |
| | | | 30~1000 | -46.89 | ≤-18.63 | PASS |
| | | | 1000~26500 | -40.72 | ≤-18.63 | PASS |
| | | 2457 | Reference | 10.20 | --- | PASS |
| | | | 30~1000 | -47.45 | ≤-19.8 | PASS |
| | | | 1000~26500 | -40.52 | ≤-19.8 | PASS |
| | | 2462 | Reference | 8.36 | --- | PASS |
| | | | 30~1000 | -47.26 | ≤-21.64 | PASS |
| | | | 1000~26500 | -41.22 | ≤-21.64 | PASS |
| 11BE40MIMO | Ant3 | 2422 | Reference | 5.09 | --- | PASS |
| | | | 30~1000 | -46.8 | ≤-24.91 | PASS |
| | | | 1000~26500 | -41.08 | ≤-24.91 | PASS |
| | | 2427 | Reference | 7.18 | --- | PASS |
| | | | 30~1000 | -46.51 | ≤-22.82 | PASS |
| | | | 1000~26500 | -41.21 | ≤-22.82 | PASS |
| | | 2437 | Reference | 6.38 | --- | PASS |
| | | | 30~1000 | -47.59 | ≤-23.62 | PASS |
| | | | 1000~26500 | -41.07 | ≤-23.62 | PASS |
| | | 2447 | Reference | 4.28 | --- | PASS |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | | 30~1000 | -47.6 | ≤-25.72 | PASS |
| | | | 1000~26500 | -40.83 | ≤-25.72 | PASS |
| | | 2452 | Reference | 4.27 | --- | PASS |
| | | | 30~1000 | -47.06 | ≤-25.73 | PASS |
| | | | 1000~26500 | -41.36 | ≤-25.73 | PASS |

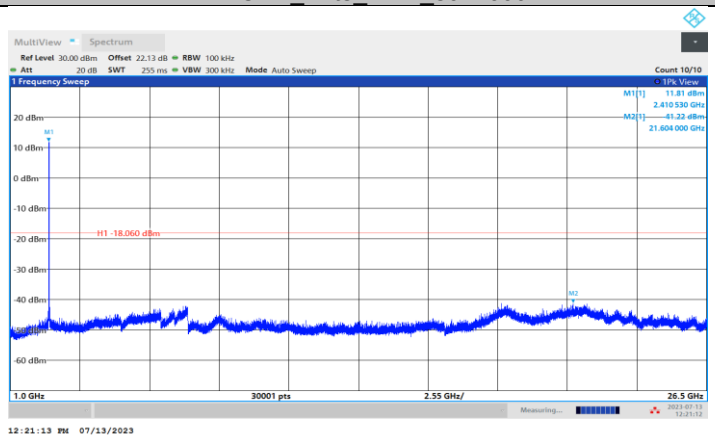
### 11.6.2. Test Graphs



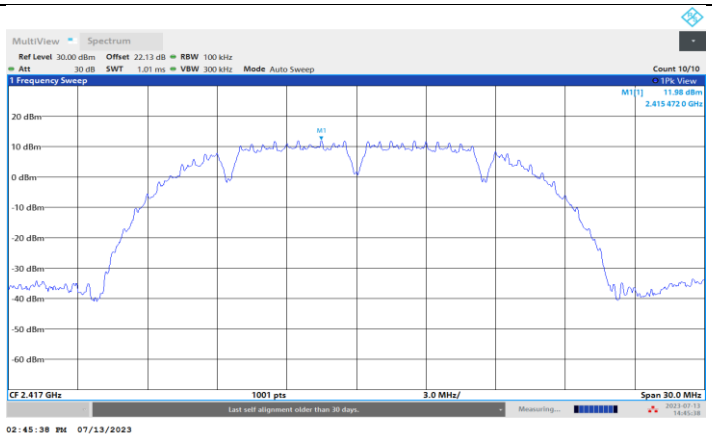

11B-CDD_Ant3_2412_0~Reference



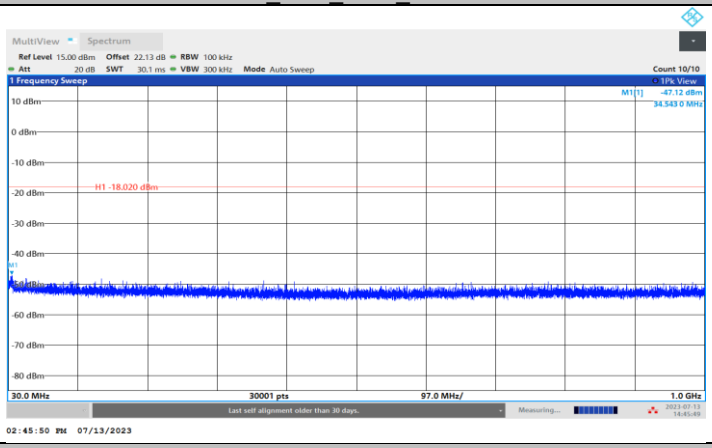

11B-CDD_Ant3_2412_30~1000



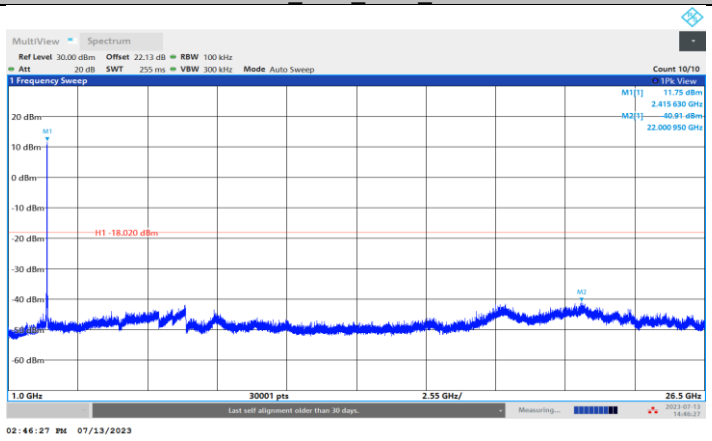

11B-CDD_Ant3_2412_1000~26500



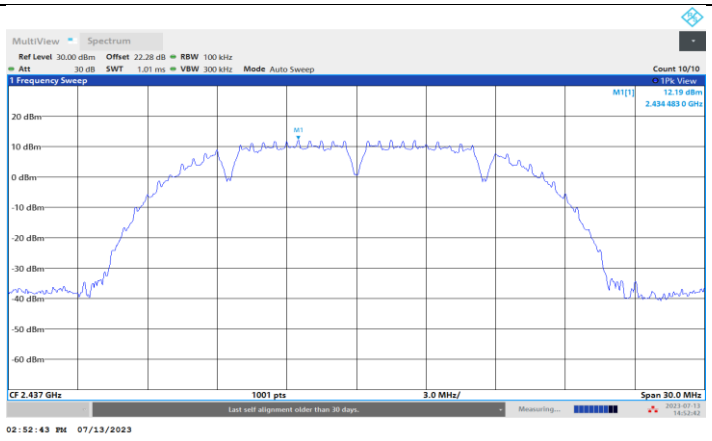

11B-CDD_Ant3_2417_0~Reference



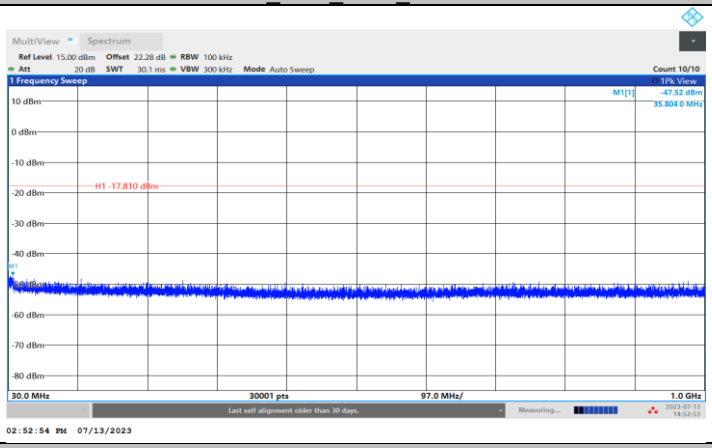

11B-CDD_Ant3_2417_30~1000



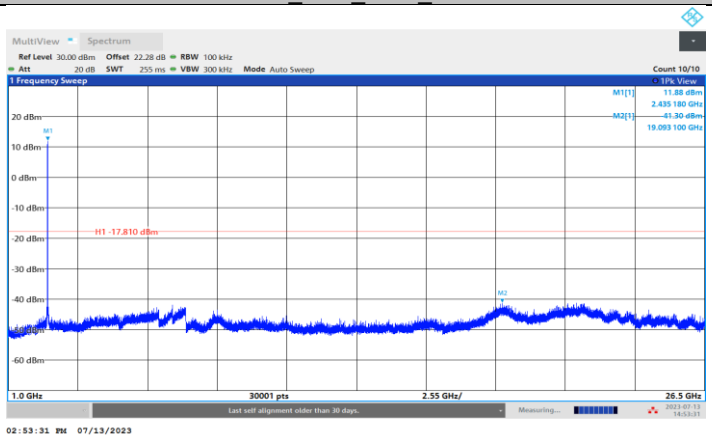

11B-CDD_Ant3_2417_1000~26500



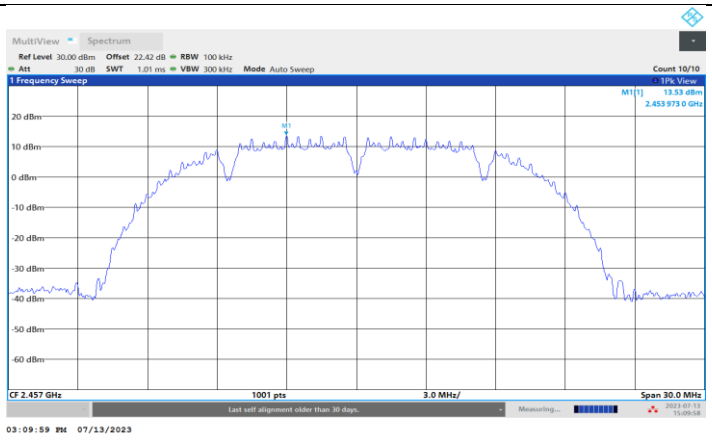

11B-CDD_Ant3_2437_0~Reference



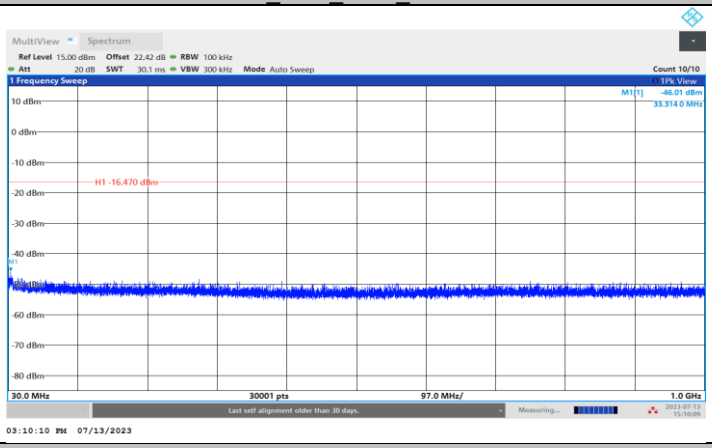

11B-CDD_Ant3_2437_30~1000



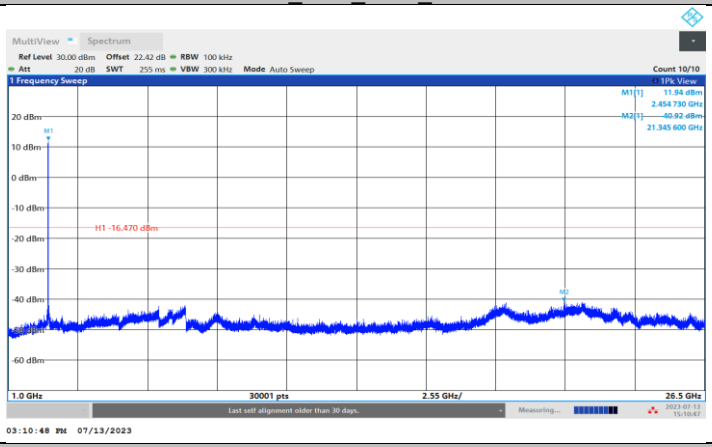

11B-CDD_Ant3_2437_1000~26500



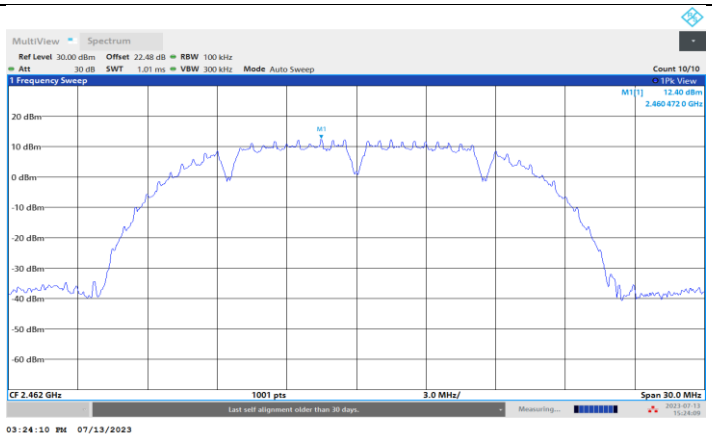

11B-CDD_Ant3_2457_0~Reference



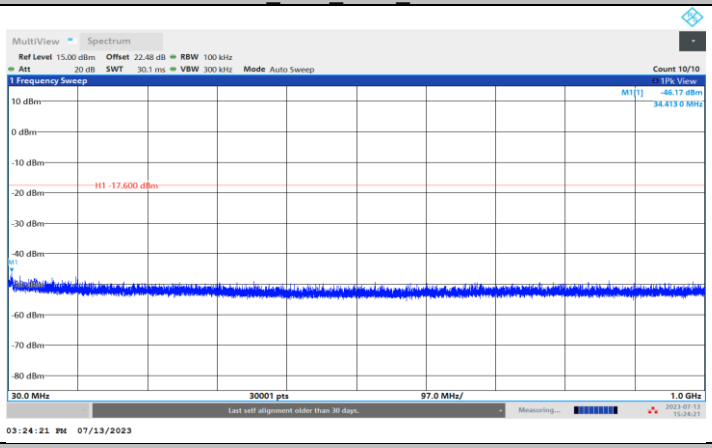

11B-CDD_Ant3_2457_30~1000



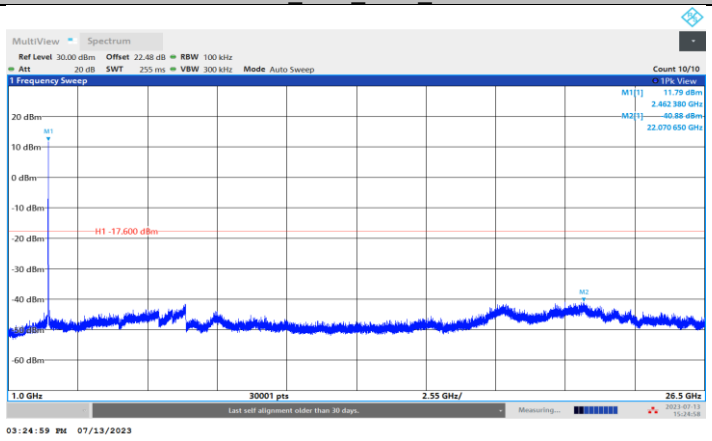

11B-CDD_Ant3_2457_1000~26500



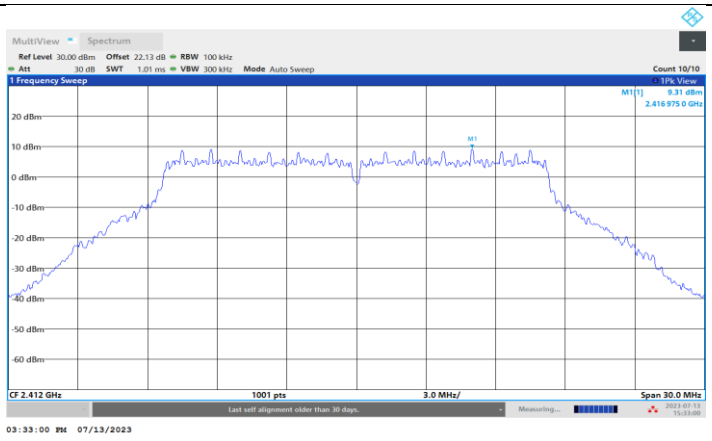

11B-CDD_Ant3_2462_0~Reference



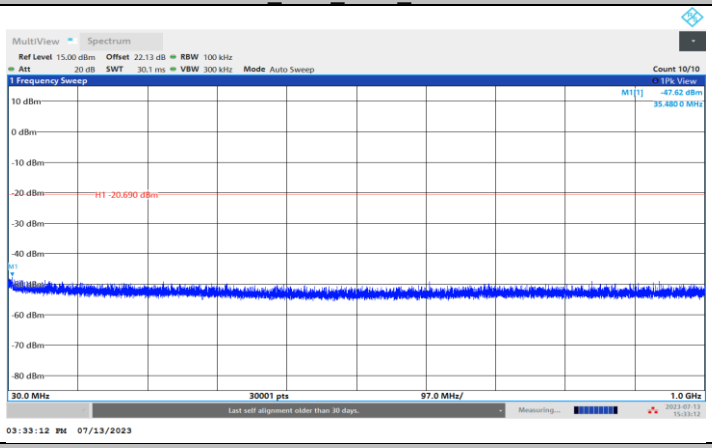

11B-CDD_Ant3_2462_30~1000



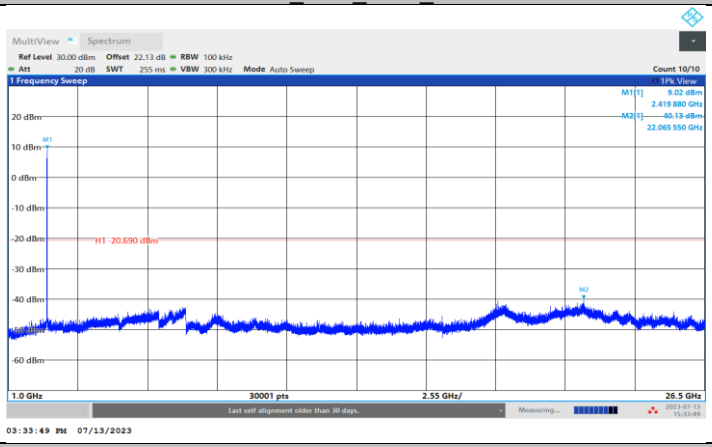

11B-CDD_Ant3_2462_1000~26500




11G-CDD_Ant3_2412_0~Reference




11G-CDD_Ant3_2412_30~1000

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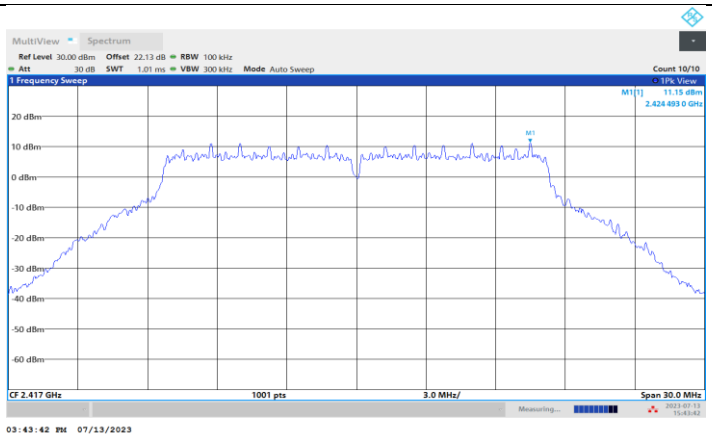


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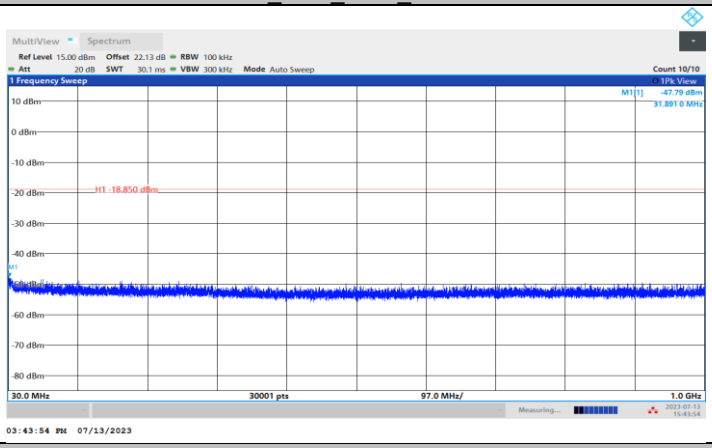


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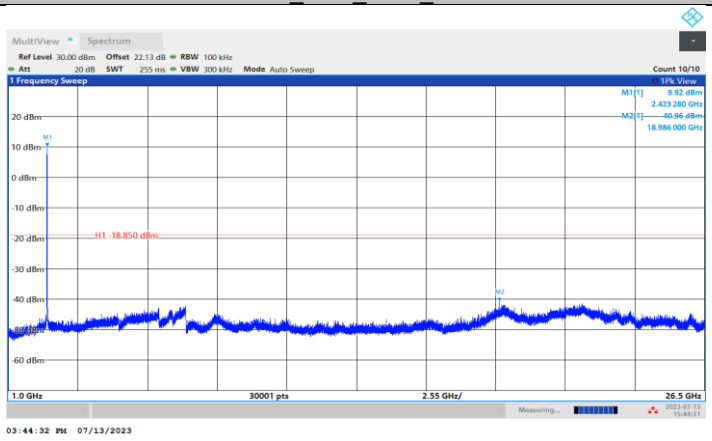


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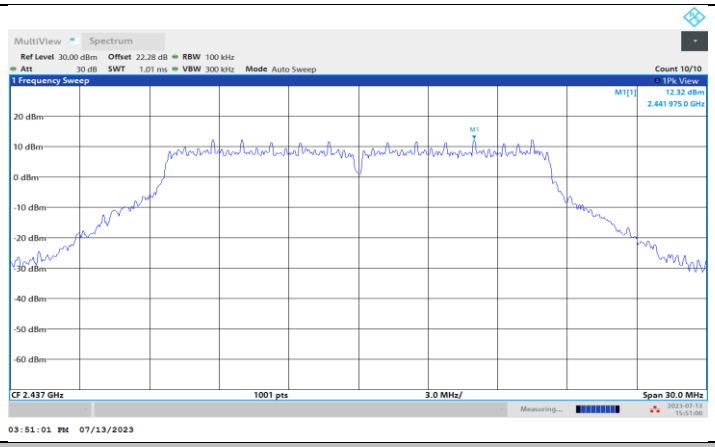


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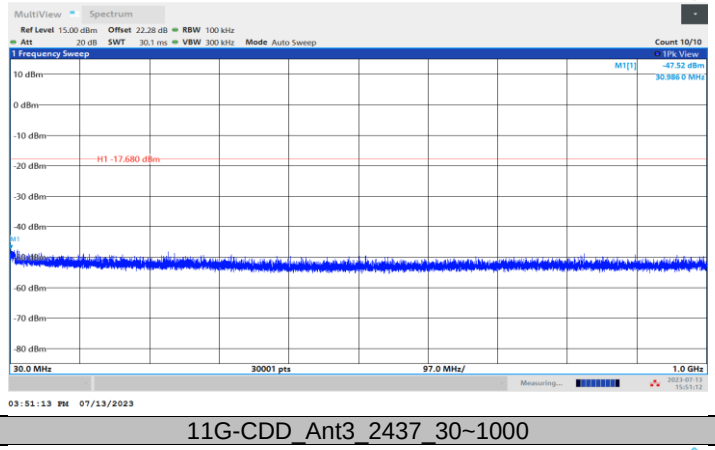


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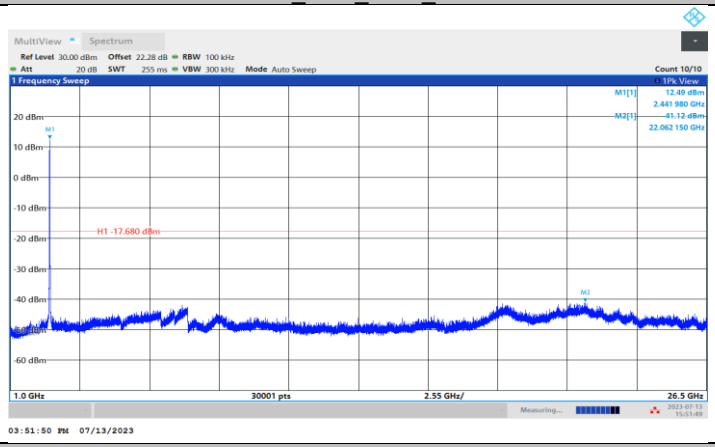
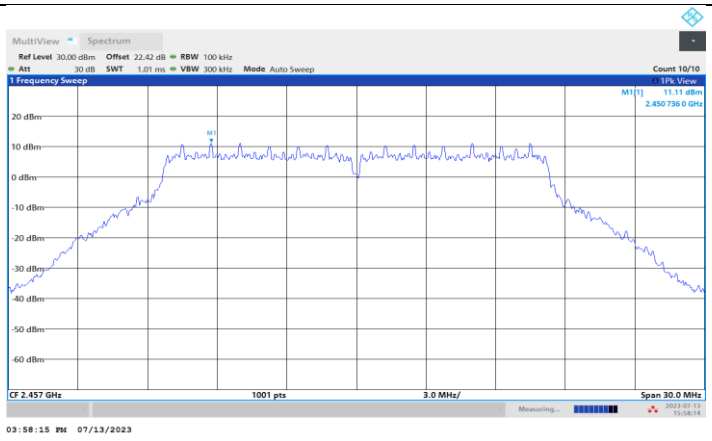
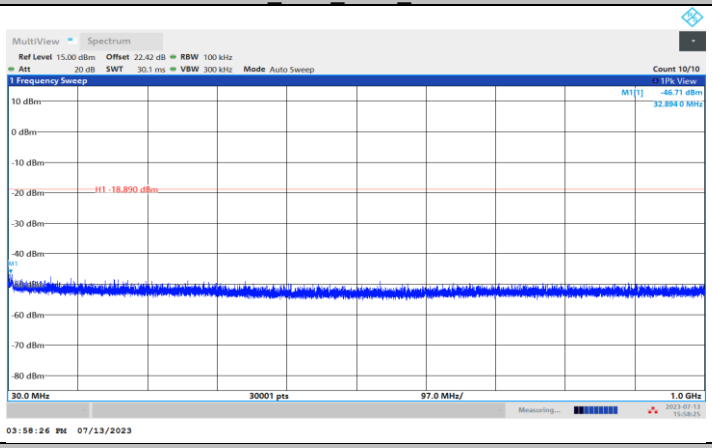



11G-CDD_Ant3_2437_1000~26500




11G-CDD_Ant3_2457_0~Reference

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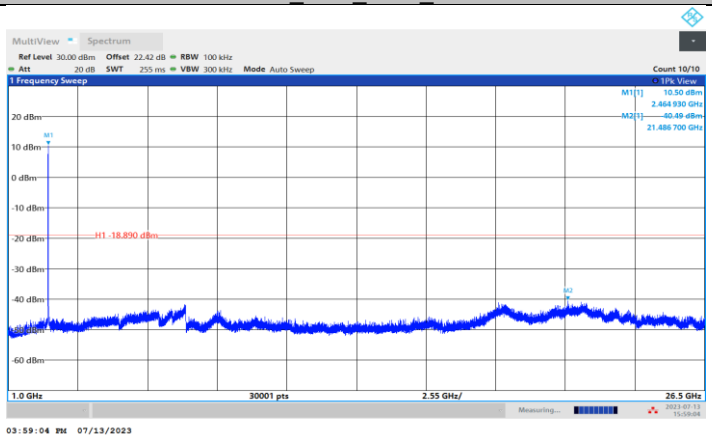


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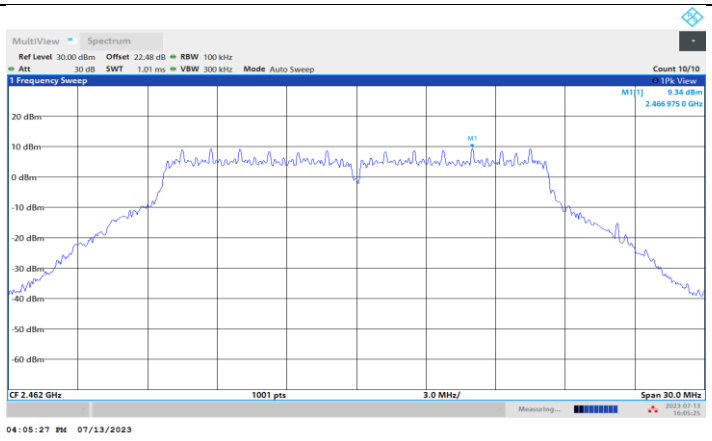


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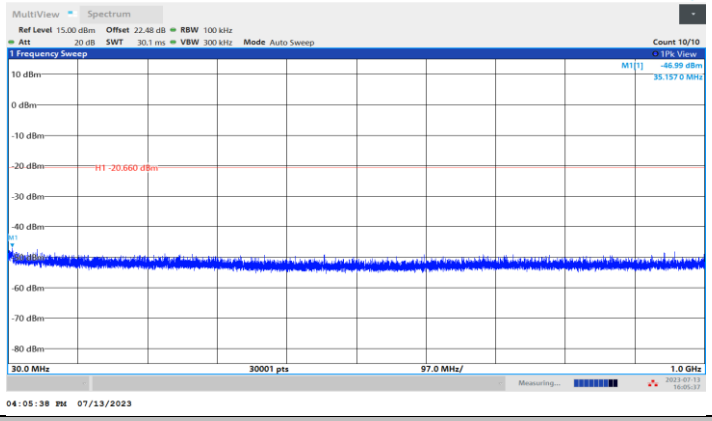
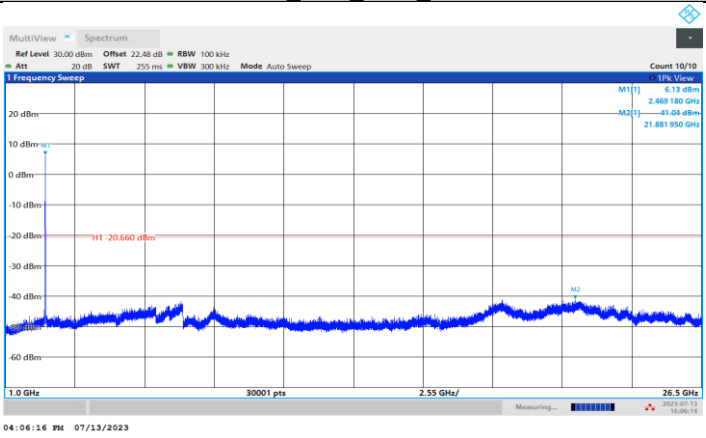



11G-CDD_Ant3_2462_30~1000

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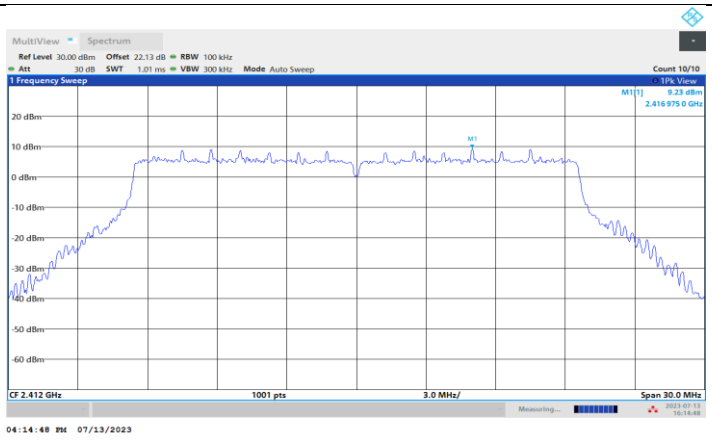
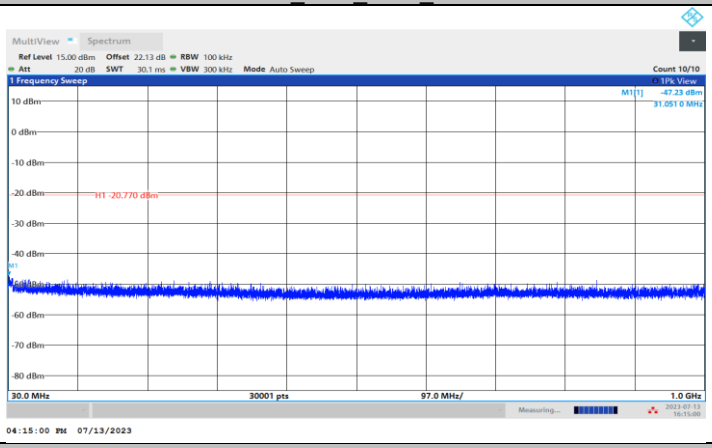
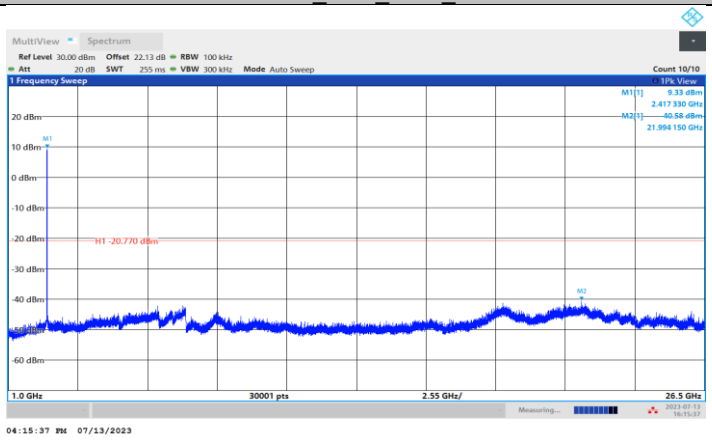



11BE20MIMO_Ant3_2412_0~Reference




11BE20MIMO_Ant3_2412_30~1000

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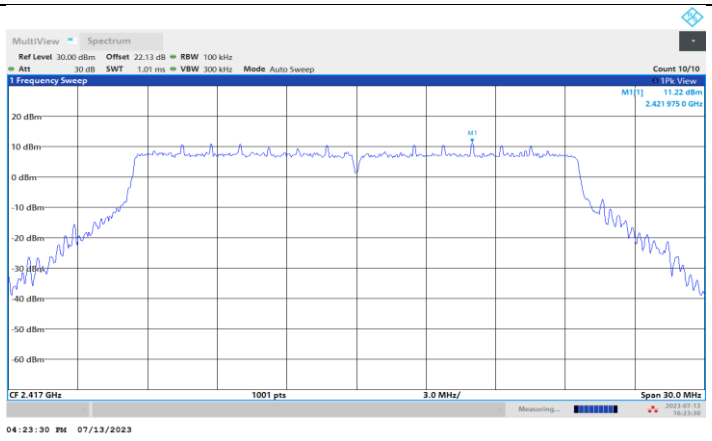


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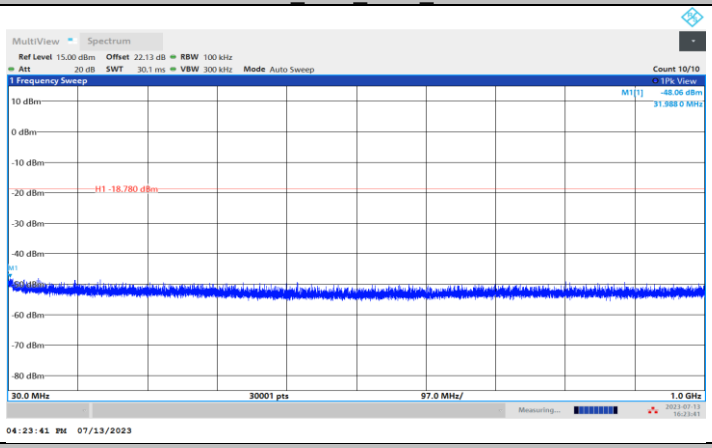


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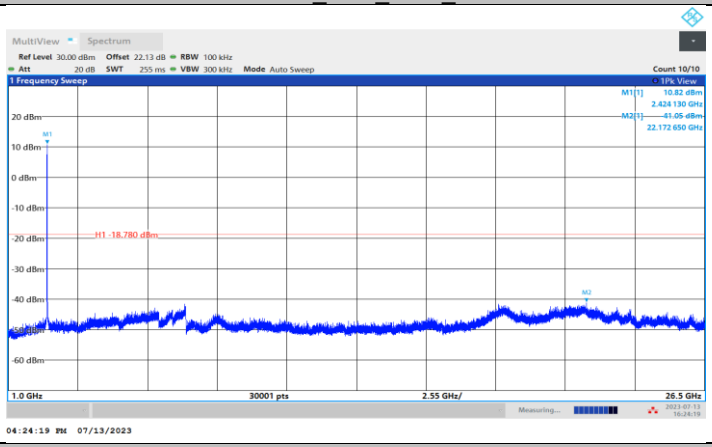


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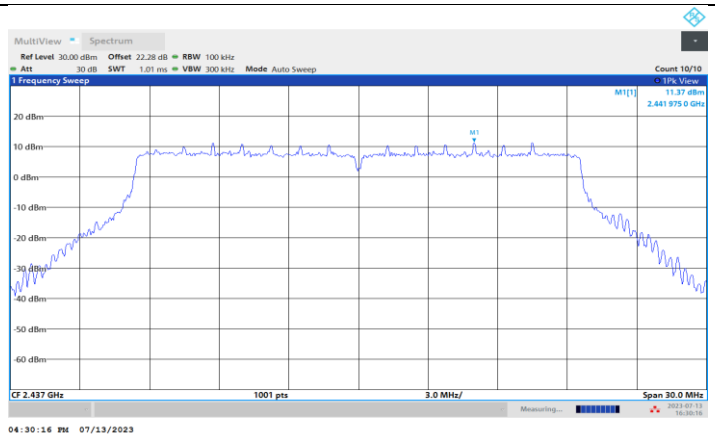


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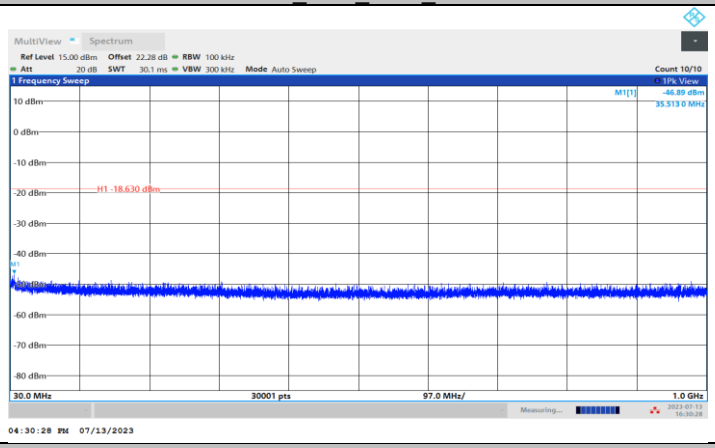


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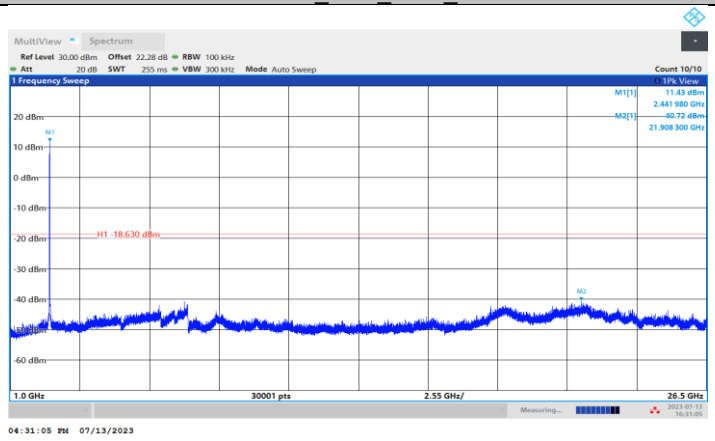
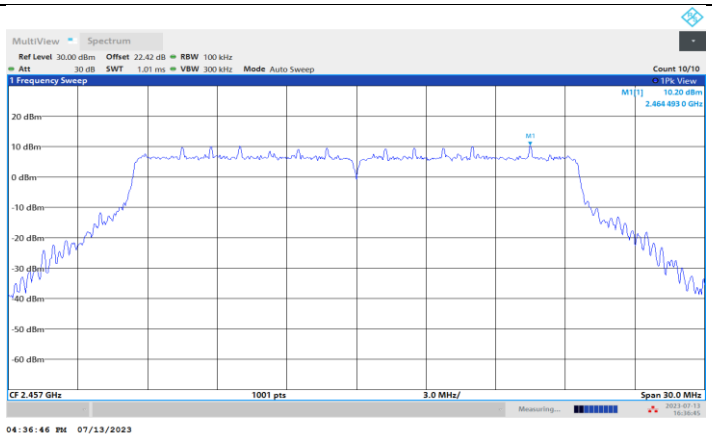



11BE20MIMO_Ant3_2437_1000~26500

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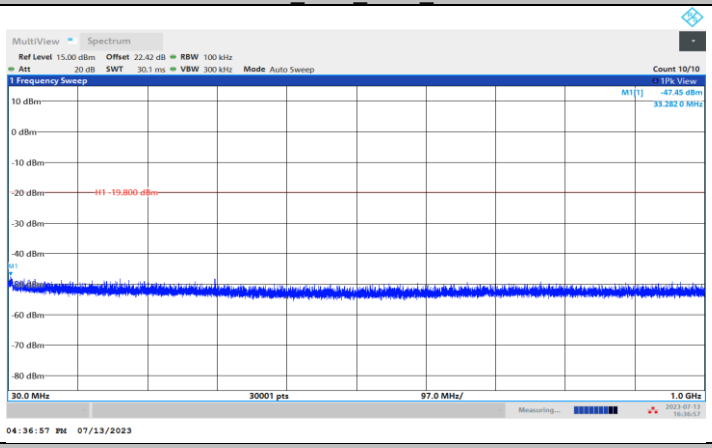


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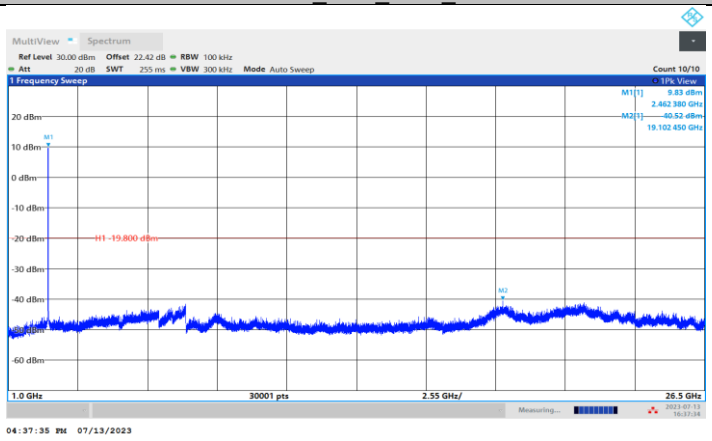


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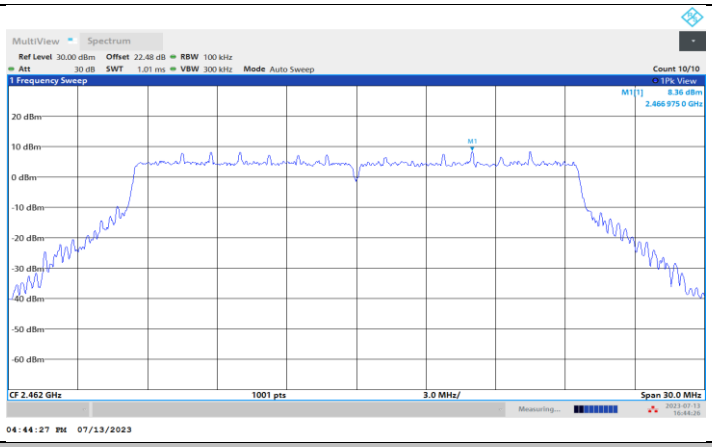


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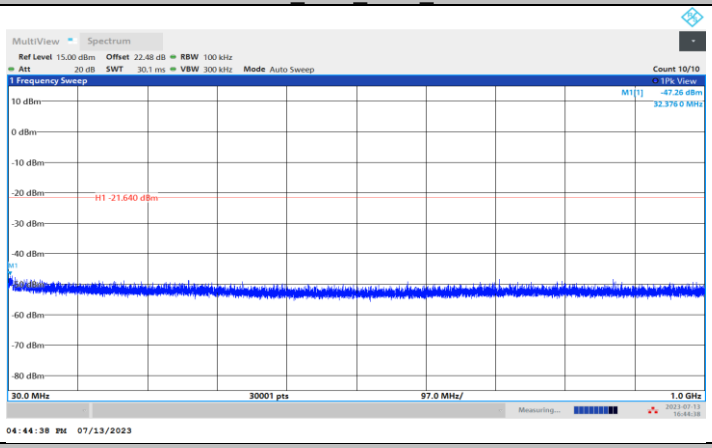


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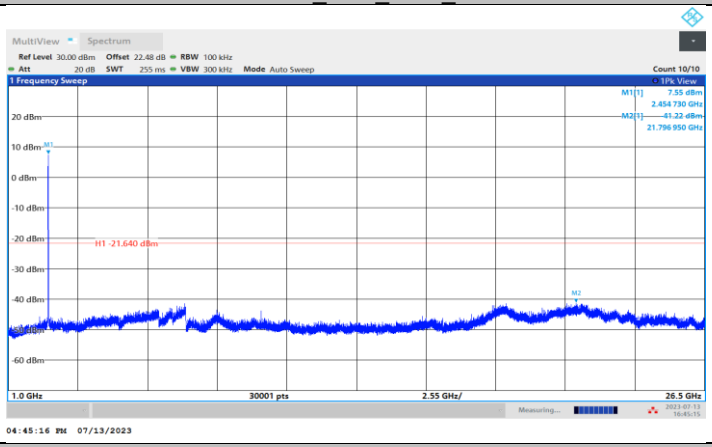
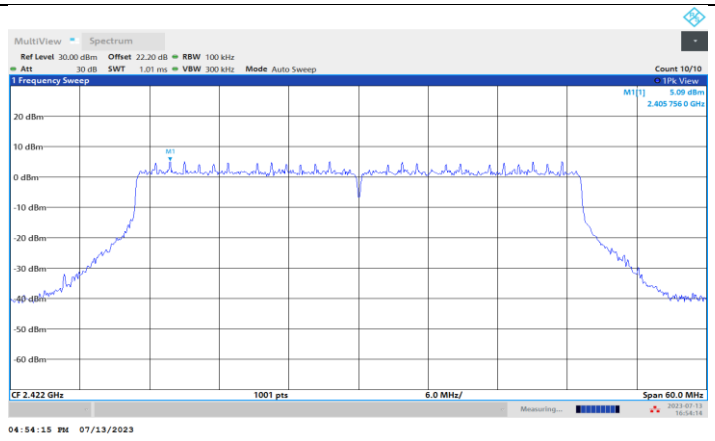
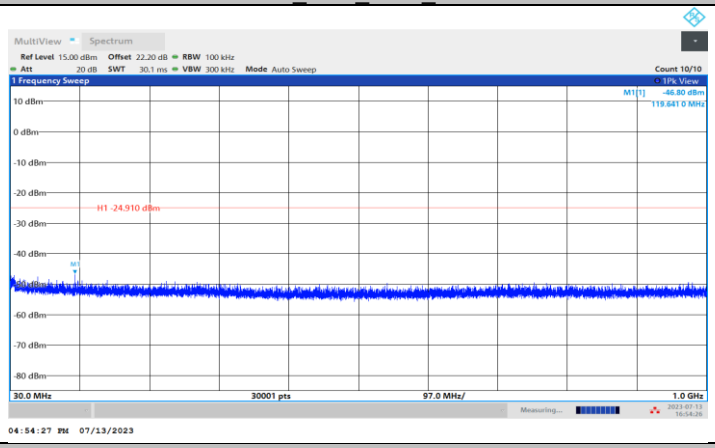



11BE20MIMO_Ant3_2462_1000~26500




11BE40MIMO_Ant3_2422_0~Reference

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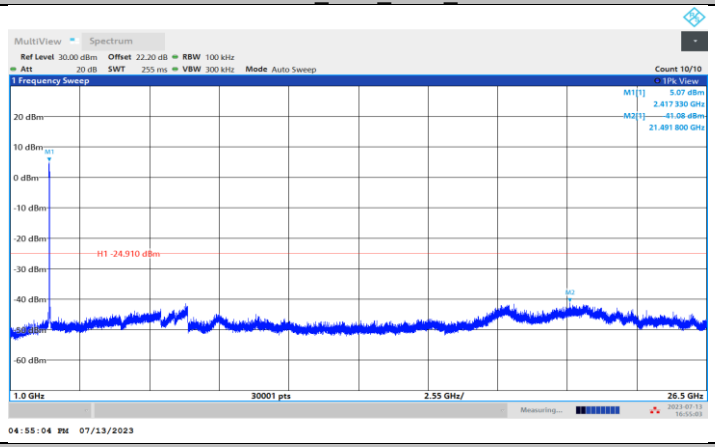


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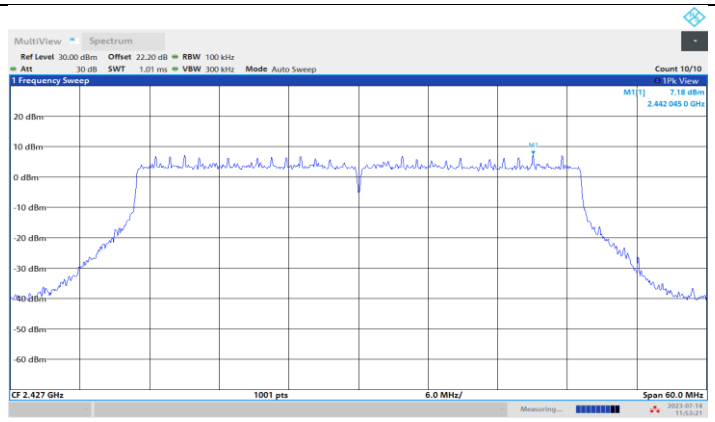


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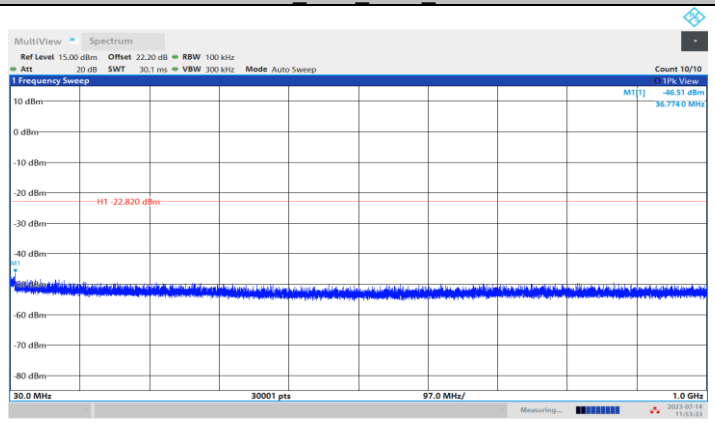


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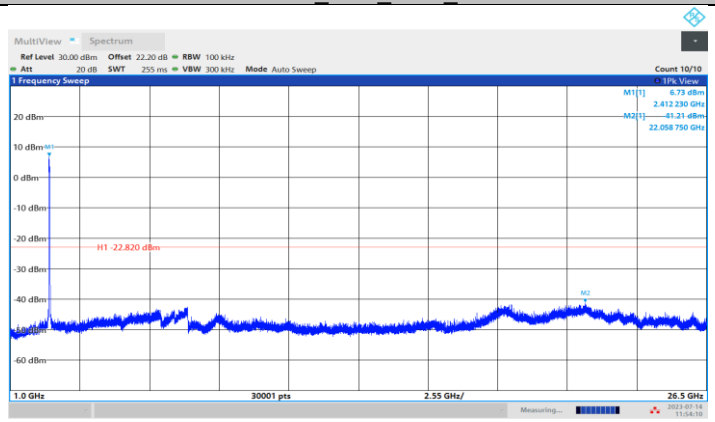


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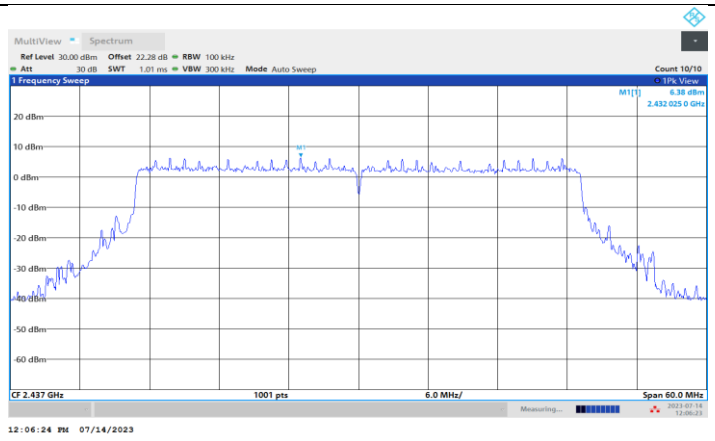


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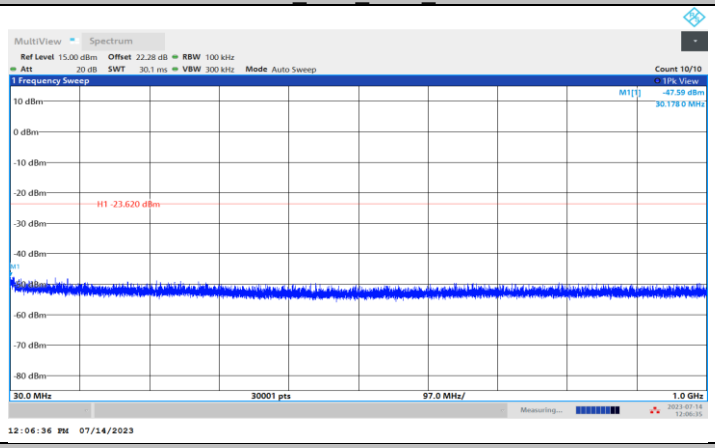
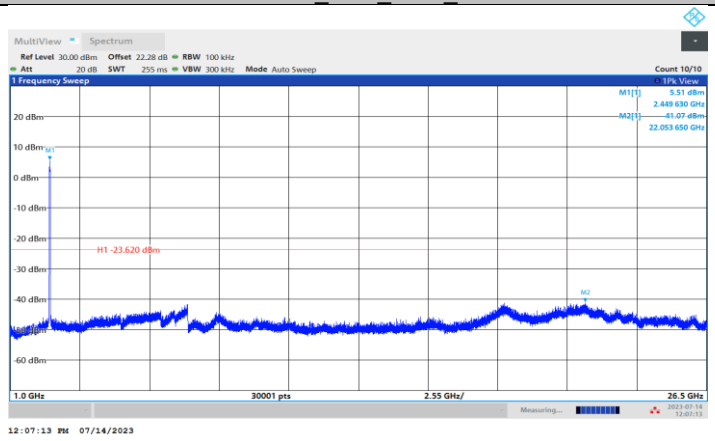
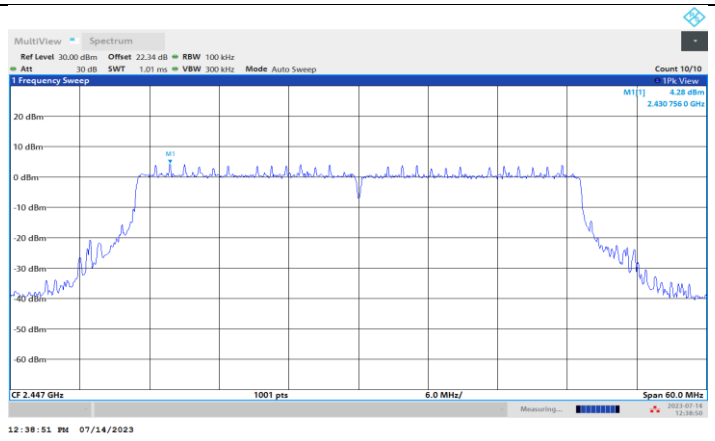


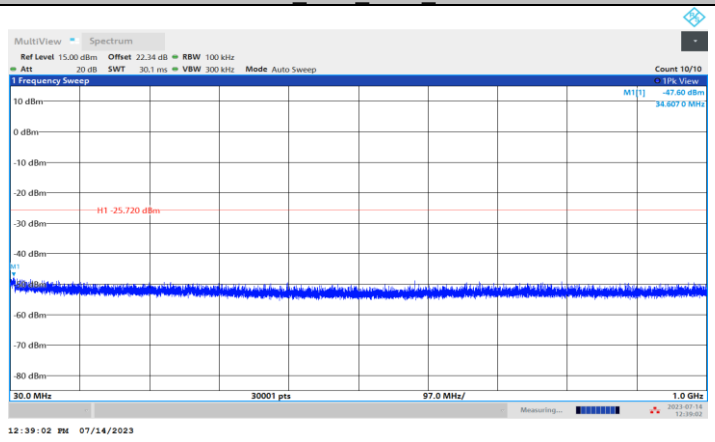

11BE40MIMO_Ant3_2437_30~1000




11BE40MIMO_Ant3_2437_1000~26500




11BE40MIMO_Ant3_2447_0~Reference

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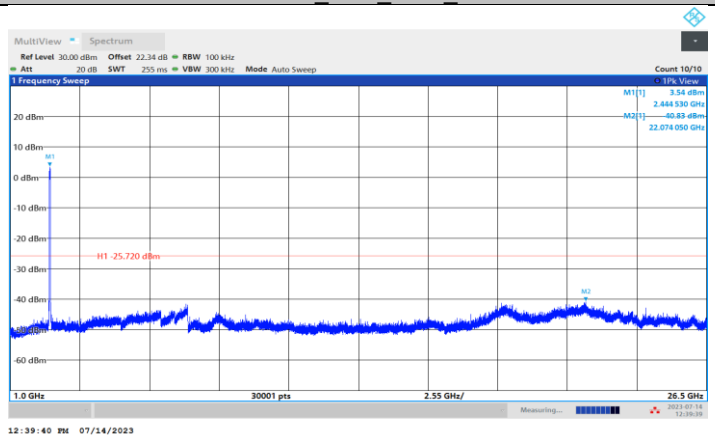
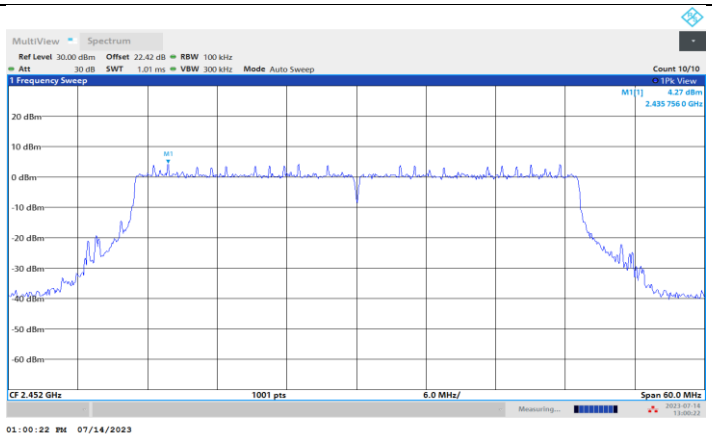
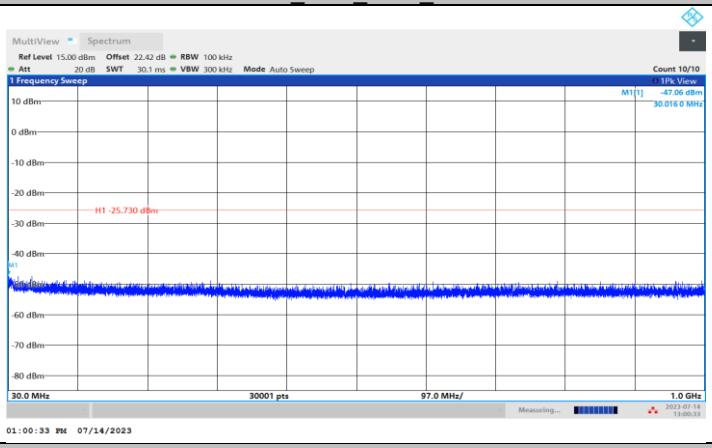


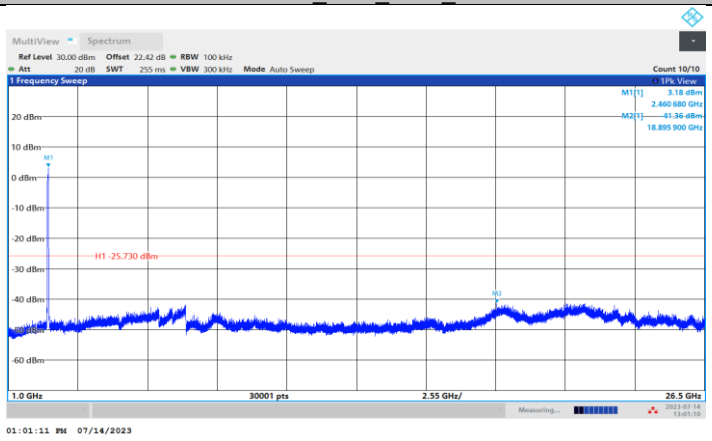

11BE40MIMO_Ant3_2447_1000~26500




11BE40MIMO_Ant3_2452_0~Reference




11BE40MIMO_Ant3_2452_30~1000




11BE40MIMO_Ant3_2452_1000~26500

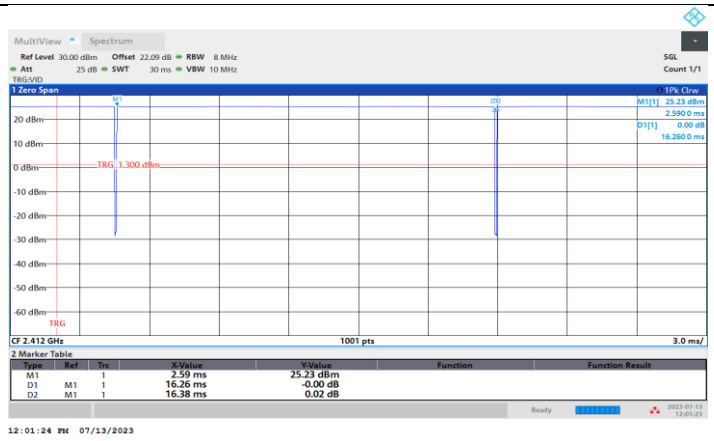
## 11.7. APPENDIX G: DUTY CYCLE

### 11.7.1. Test Result

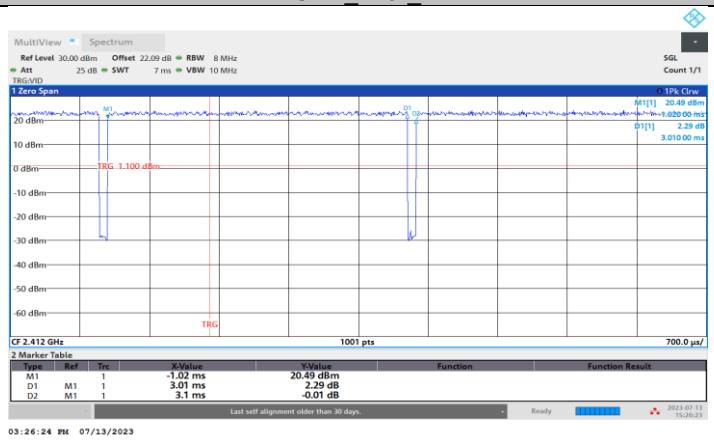
| Test Mode | On Time (msec) | Period (msec) | Duty Cycle x (Linear) | Duty Cycle (%) | Duty Cycle Correction Factor (dB) | 1/T Minimum VBW (kHz) | Final setting For VBW (kHz) |
|---|---|---|---|---|---|---|---|
| 11B-CDD | 16.26 | 16.38 | 0.9927 | 99.27 | 0.03 | 0.06 | 0.01 |
| 11G-CDD | 3.01 | 3.10 | 0.9710 | 97.10 | 0.13 | 0.33 | 1 |
| 11BE20MIMO | 3.94 | 4.03 | 0.9777 | 97.77 | 0.10 | 0.25 | 1 |
| 11BE40MIMO | 3.96 | 4.04 | 0.9802 | 98.02 | 0.09 | 0.25 | 1 |

Note:
Duty Cycle Correction Factor=10log (1/x).
Where: x is Duty Cycle (Linear)
Where: T is On Time
If that calculated VBW is not available on the analyzer then the next higher value should be used.

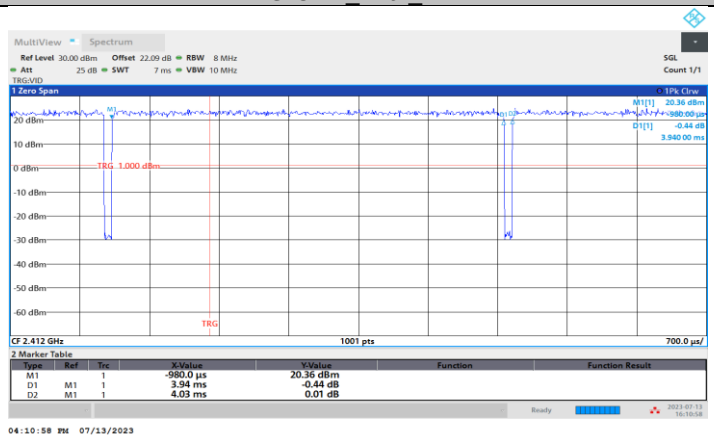
## 11.7.2. Test Graphs



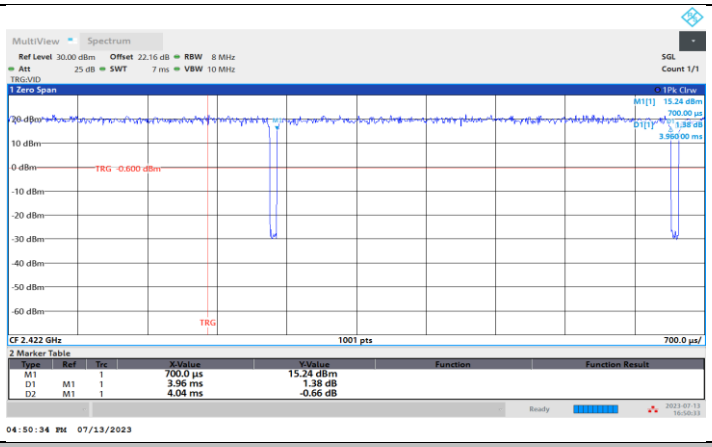

11B-CDD_Ant1_2412




11G-CDD_Ant1_2412




11BE20MIMO_Ant1_2412




11BE40MIMO_Ant1_2422

## END OF REPORT